

```

*****
*                                     Greg Weinfurtner AEE BSS *
*      NN      N      SSSSSSS      8888888      0000000      Electronic Design Splst *
*      N N      N      S              8      8      0      0      Ohio University      Athens *
*      N      N N      SSSSSSS      8888888      0      0      GO BOBCATS! *
*      N      N N      S              8      8      0      0 *
*      N      NN      SSSSSSS      8888888      0000000 *
* *
*      Amateur Radio      Can thou send forth lightnings *
*      that they may go and say unto *

```

\* weinfurtner@ouvaxa.cats.ohiou.edu thee, 'Here we are'? Job 38:35 \*  
\*\*\*\*\*

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: jsbraun@vivanet.com  
Subject: [4495] Argosy II is sold.....  
Message-ID: <9602200948.aa02956@vivanet.vivanet.com>

The Ten Tec Argosy II has been sold.  
I am awaiting a check for the purchase.  
Thanks for the replies.

73's  
Scott

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: bhopkins@polarnet.com (Bruce Hopkins)  
Subject: [4506] ARRL DX Test - QRPP  
Message-ID: <v01530500ad4fa44a5681@[204.119.24.120]>

Hi Gang,

Here's a report from the Frozen North...

Due to my work I was able to only get on the test for the last hour and twenty minutes...I cranked up my mighty Explorer II/20m at 950 Mw and started at the bottom of the band and worked my way to the top... When the dust settled at 0000z I had 20 QSOs in the log and a total of 17 States... CA, NJ, OH, ID, PA, NY, DE, TN, NH, CT, MD, MA, MT, VA, WA, TX... The easy part was getting the QRO stations attention, the hard part was getting them to accept my 001 pwr level...

Thanks to all the contest stations with good ears and operators who helped me put a bunch of new QRPP States in the log... I won't miss this one next year...

72/73/00's - Bruce - KL7JAF

72/73/00's - Bruce \* KL7JAF  
QRP-L #380 QRP-ARCI #9061  
Norcal #???? ISSB #14548

McPig #003        TFO - 359  
E-Mail: bhopkins@polarnet.com  
BBS: KL7JAF@KL7GNG.#NAK.AK.USA.NOAM  
Snail Mail: B. Hopkins / P.O. Box 10079 / Fairbanks, AK. / 99710

From qrp-1@lehigh.edu   Tue Feb 20 22:47:05 1996  
From: flanders@GroupZ.net (Jerry Flanders)  
Subject: [4499] Beavers and the Art of QRP  
Message-ID: <199602201538.KAA63244@nss2.CC.Lehigh.EDU>

/I've kept the QRP vows better than some others. Five watts seem like plenty  
/now. And all of my antennas are cunningly installed in trees. The most  
/environmental correct antenna (stacked tribanders) is installed in a gigantic  
/Douglas fir, surrounded by other behemoths. Around here, it is referred to  
/simply as the "Antenna Tree."

=====  
Russ,

I am intrigued - I can't quite picture the operation required to place even  
a single yagi on/in a Douglas fir tree, much less a stacked arrangement.  
When you say "tribanders" I presume you are referring to the common yagi  
with tubing elements/boom, right?

Even if it is just a wire antenna, the operation deserves more description.  
How did you accomplish it?

Jerry        W4UKU        South Carolina        flanders@groupz.net

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: Robert Finch <bfinch@asp.vet.purdue.edu>  
Subject: [4497] bounced mail problems  
Message-ID: <199602211515.KAA06616@asp.vet.purdue.edu>

if anybody tried to reach me in the last two weeks:  
my mailbox was having fits....the router upstream  
messed up, but all is ok now.....  
IF U TRIED TO SEND ME MAIL ASSUME I DIDN'T GET IT  
tnxs fer the bandwidth et al es best 72's  
baab,n6cxb

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: herr@ridgecrest.ca.us (Michael Herr)  
Subject: [4490] Cascade on 40  
Message-ID: <v01530500ad4fffbf13f8@[199.120.150.44]>

Well gang, I've got the Cascade alive and well on 40. My first QSO was with Richard, KI6SN followed by a homebrew qrp to homebrew qrp QSO (unplanned) with Warren, AB6XM. Since then I've had a half a dozen more , all enjoyable. I haven't had this much fun with SSB since the time when I had just received my general and a group of us teenagers got on to play moneyoply on the air!

John Liebenrood, K7RO, did an excellent job of design and Doug and the Norcal gang put together a great kit. Jim, NU8N, put to gether tine detailled instructions on modifying it to 40 / 17 meters. Thanks all!

So, are there any other 40 / 17 meter Cascades out there, either built or planned? How about any 40 meter homebrew qrp ssb rigs? Want to get together on a Sunday afternoon?

vy 72  
Mike WA6ARA

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: burdick@interval.com (Wayne Burdick)  
Subject: [4509] correction to Sierra addendum (ABX mod)  
Message-ID: <v02130505ad4fc866c581@[199.170.106.28]>

Folks,

There's one mistake in the Sierra addendum that Bob Dyer recently mailed out to all Sierra owners. In the description of the ABX mod, wherein you move the BFO below the crystal filter, I mention "C17" twice. Should be

"C16."

By the way, several people have made the mod, now, and all have raved about it. Try it!

Wayne  
N6KR

From qrp-l@lehigh.edu Tue Feb 20 22:47:05 1996  
From: Bob\_Tellefsen-CNSE97@email.mot.com  
Subject: [4518] EASYTRAX  
Message-ID: <M696139.002.3ljm2.1.960220233545Z.CC-MAIL\*/OU=LMPCC10/OU=ILBE/  
PRMD=MOT/ADMD=MOT/C=US/@MHS>

QRP-L de N6WG

I found Protel Technology in Santa Clara, CA.  
You can obtain the EASYTRAX program from the Web, from their BBS, or by sending a self-addressed disk mailer with at least \$1.15 postage.

Their phone is 800-544-4186. When the operator answers, ask for the EASYTRAX line, and she will put you on a recorded announcement with all the details.

If you want to get it by mail, their address is:

Protel Technology  
c/o EASYTRAX Freeware  
4675 Stevens Creek Blvd  
Santa Clara, CA 95051.

72/73, Bob N6WG

From qrp-l@lehigh.edu Tue Feb 20 22:47:05 1996  
From: dgf@netcom.com (David Feldman)  
Subject: [4519] Family tree of QRP rigs?  
Message-ID: <199602210014.QAA02056@netcom4.netcom.com>

Has anyone done a family tree of QRP rigs, commercial and kits, offered over the years?

If so, where could it be found?

73 Dave WB0GAZ dgf@netcom.com

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: WJ4PRandy@aol.com  
Subject: [4501] fox hunting  
Message-ID: <960220104618\_148819370@emout04.mail.aol.com>

How 'bout a tenth of a point for every station you hear work  
the fox when you can't hear the fox yourself?... working the  
fox wipes out the "heard station" points....

If it sounds like I'm grabbing at straws, well, you may be right!  
I've been having bad luck with prop paths to the "dens"!!! ;)

72, Randy WJ4P

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>  
Subject: [4526] Fox qrm sorry guys 8-(  
Message-ID: <9602210411.AA00671@wizard.ucs.sfu.ca>

Hi guys sorry about taking so long to move the guy. I ment to get him  
to qsy immediately, but obviously made a tactical error. Had another  
blond moment I guess.

Now I hope conditions change so I can get the fox.

cheers, Paul  
VE7CQK  
email: paul1@wizard.ucs.sfu.ca

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: nwqrp@scn.org (SCN User)  
Subject: [4511] FWD: NORCAL 40  
Message-ID: <199602201919.LAA02091@scn.org>

QRP-L folks,

This message ended up in my mailbox, but I don't have the answer.  
Can you help out? Please aim replies at:

9263.74th.St.Edmonton.Alta.Can.T6B.2B5@freenet.edmonton.ab.ca

----- begin forwarded message -----

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: meh@cbsms1.cb.att.com (m.e.hartwell)  
Subject: [4514] help  
Message-ID: <199602202011.PAA13262@emsr1.emsr.att.com>

Hello all

I am sorry to send this to all of you but can't think of another way to do this.

Last week I sent out a request for anyone that might be in the Naperville Ill. area this week to get in touch with me. Well Hank Kohl k8dd did send me mail saying he would be in school this week in the area and maybe we could get together. He said he would be monitoring 146.52 and to call and see what happens. Well so far I haven't had any luck unless you count no contact as bad luck then I guess I have had some. Any way I sent email to Paul Valko as he is also a member of the MI-QRP club as is Hank, he knows Hank and told me how Hank works for but so far I haven't found him. My question is for the other members of the MI-QRP club that may read this list. Do any of you know which school Hank was going to attend this week. Or do you which hotel he is staying in while he is here.

I sent him email Saturday telling him which hotel I am in but he may not have read his email before leaving this week.

Anyway this isn't really earth shattering but I just thought it might be nice to talk to someone with some of the same interests as myself even if it is on two meters or something.

Marty

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: cooper@gmpvt.com (Tom Cooper)  
Subject: [4500] J309 substitute  
Message-ID: <199602201550.KAA26943@web.gmpvt.com>

I looked through some of my junk boxes/drawers/tables and found no J309's. I did find 2n5486's and wonder if they will work?

Tom WA1GUV

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: launerb@crl.com (William H. Launer)  
Subject: [4503] KnightLites Net  
Message-ID: <v01520d11ad4fa57d0b69@[192.0.2.1]>

Hello, Gang

Sunday night I checked into the net, and Paul acknowledged my check in with a 349. He was about a 339 on my Yaesu FT-301. When my turn came for comments, Paul had dropped down almost to the noise level on the Yaesu, and he couldn't receive my 5 w signal, so no success. Recently, I acquired a Hammarlund SP-600 receiver (50+ pounds, so not good for backpacking!). I connected it to the end-fed wire antenna via the antenna tuner, and had solid copy on Paul, and several others he contacted later. Going back to the Yaesu again produced essentially no copy. It was a good demo of receiver importance. The Yaesu has a narrow (600 Hz) cw filter installed, so it is comparable to the SP-600 narrow bandwidths (200, 500, and 1300 Hz). The big advantage is that the SP-600 has essentially no background "white noise" on the audio. The bottom line is (especially for fox hunting) to use the best receiver you have, and the old "boatanchors" often run rings around the modern solid-state designs!

72, Bill wb0cld

Bill Launer  
launerb@crl.com  
wb0cld@wb0cld.ampr.org [44.46.66.25]  
qrp-1 #279 qrp arci #3551

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: NYOUNG@nova.wright.edu  
Subject: [4524] Modern Radio Labs, to belabor a point...  
Message-ID: <01I1G8UZRYZM94NZJ7@nova.wright.edu>

I got the stuff from Paul Nelson of MRL (resurrected) today. It ain't as big a chonk of stuff as when Elmer was kicking out the jams, but it's some stuff. Most important to me was the availability of 3 distinctly MRL-ish items and 1 more recent



addition to the merchandise.

Elmer had these little handbooks. They covered a lot of different early radio deals like different crystals and hi-Z headphone repairs. You can buy the entire 15 MRL Handbooks for a buck each or you can buy the set for \$15. Easy math, that. If you're into old-time radio and old-time radio theory, get 'em.

Then there was the list of still-available "MRL Detail Prints." These little packets of info cover all kinds of stuff that you can't find in texts or technical books nowadays. At least not with PNP transistors drooling out of the boards all over the place. The three MRL DP sets are \$2.50 each, \$7.50 for the entire set. I'm gonna get 'em 'cause I can't find the ones that I bought from Elmer now nearly 20 years ago.

Elmer also published a little -- and possibly short lived -- "little magazine" about radio stuff. The MRL Radio Builder & Hobbyist. I never saw a copy 'cause Elmer had sold 'em out by the time I found out about 'em. Another buy on my plans, the entire set (#s 41, 42, 43, 48, & 49), 95-cents each, \$ 4.75 for the entire set.

And then there's the new stuff (or maybe old stuff, depending on your point of view): tubes by the bucket. One-volt and 52-volt tubes. You need the list. Prices are reasonable. Operators are not standing by, however, so you'll have to ask Paul Nelson about it. Oh, there's variable caps, coil forms, various sockets and hardware, different doodads and, at the end of the list of stuff, one of those correlational indexes of capacitor values. I -- one of the mathematically imprecise and low-Q -- need this stuff. Like knowing that a .02 uf cap is really a 20000 pf cap. Like when I don't get into powers of 10 and such.

So that's the deal. Paul Nelson wrote a note on the cover saying "Will have more MRL stuff in future flyers and catalogs." Hope so. I need a new set of hi-Z headphones. Just in case.

The address: Modern Radio Laboratories  
P.O. Box 14902  
Minneapolis, MN 55414

Send a buck with your catalog request. And a letter. I think the letter was what caught Paul's attention. He mentioned it both in the phone call and in the note on the cover of the catalog-list.

Nils

WB8IJN

Too young to really remember Silvertone wire recorders but old enough to remember how they worked. Them and those little crystal sets that looked like Sputnik. Even with McCarthy hearings going on.

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: burdick@interval.com (Wayne Burdick)  
Subject: [4512] New rigs now tested with KC1  
Message-ID: <v02130506ad4fc9ad123e@[199.170.106.28]>

In addition to the list of rigs in the current manual, the KC1 keyer/freq. counter has now been successfully installed in the following rigs:

"A Small High-Performance CW Transceiver for 20m," Nov '95 QST, by Rick Campbell, KK7B (installed by Dave, KE6ZBZ)

MFJ 9420 w/CW adapter (Mike, AC6JA)

OHR Explorer I (Tom, WA1GUV)

OHR Explorer II

NorCal Cascade (Rob, WA3ULH)

\* \* \*

The original list of rigs includes:

NorCal 40 (all versions), Sierra (NorCal), Heathkit HW8 and HW9, SWL XX-40 (Small Wonders Labs), OHR-400 (Oak Hills Research), and the Gary Breed transceiver (A&A kits and 624 kits).

\* \* \*

If you know of others not on this list, please send them to me. I will be incorporating instructions for all of the new rigs in the next release of the KC1 manual.

The KC1 is a subminiature (2.5 x 0.8") universal Iambic keyer and displayless frequency counter (3-digit Morse code output) for QRP rigs. For more info contact Bob Dyer, KC6VIO at 415-494-3806.

73,  
Wayne

N6KR

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: JKXM17A@prodigy.com ( ALLEN SMITH)  
Subject: [4527] NorCal & QRPP  
Message-ID: <097.01696548.JKXM17A@prodigy.com>

Floyd Smithberg's frustrating experience is probably not typical of the NorCal group. I sent my check for \$10 to Jim Cates on December 24 and promptly received a December copy of QRPP along with a welcome letter.

Last week I inquired of Doug Hendricks via email as to why I had not received a NorCal membership number and promptly received a note that it would be forthcoming with the March edition of QRPP.

Funny, usually I have all the bad luck. Hope things get better for you soon, Floyd.

72/Allen - AA0YU

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: Brad Mugleston <bmug@gw1.com>  
Subject: [4525] Novice Help  
Message-ID: <199602210128.AA04298@gp-ipc54.gw1.com>

Group,

Well nada heard again. My son KB0SJY did have his second QSO Monday night - me Im still at ZERO.

I'd like to make a request. I (well my son) seem to be able to copy QSO's OK but when the calls are sent the speed goes from 5 wpm to 20 wpm and we miss most of them. SO, when you are working the novices could you send your call as slow or slower than the rest of the QSO so that someone wishing to call you will know what to call.

Thank you all for your efforts.

73, Brad KB0ROL

P.S. I missed out on the Purchase of the Icom 745. Saw it, took some time to think about it and look it up and it got sold.

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: dedinger@ix.netcom.com (Dennis Edinger)  
Subject: [4489] QRP mod for Atlas 210x  
Message-ID: <199602200530.VAA21103@ix3.ix.netcom.com>

I run my Atlas 210x mobile. It will tune to 5w, but I'd like to modify it so that I can switch from normal operation to 5w max power (down to whatever) depending on what I'm doing on the road. Does anyone have a suggestion for the mod. I've misplaced my original schematic and got a very poor quality xerox that I may be able to follow if someone can give me instructions.

tnx,

de NT0L

Dennis

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: dedinger@ix.netcom.com (Dennis Edinger)  
Subject: [4488] QRP mod for ICOM 745???  
Message-ID: <199602200523.VAA22743@ix10.ix.netcom.com>

I have a neat ICOM 745 but I can only tune down to 10w. I'm told the mod is simple and easy, but I can't find a reference. Any ideas?

de NT0L

Dennis

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: rubenc@iglou.com (Charles A. Rubenstein)  
Subject: [4521] QRP mod for MFJ945C tuner?  
Message-ID: <m0tp2V8-00036nC@mail.iglou.com>

Does anyone know of a way to modify the metering on a MFJ 945C tuner to work at QRP levels? It has a "sensitivity" pot on it but even at full it wont allow my little 2W output to make it to the "set" point.

Charlie KB8BWE

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: CQC@aol.com  
Subject: [4513] QRP to the Field Time?  
Message-ID: <960220145559\_226886406@mail02.mail.aol.com>

What is the time for the NorCal QRP to the Field on April 27? I am finishing the Low Down and need the times.

Tnx,  
Rich WOHEP

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: SYDV00A@prodigy.com (MR FLOYD E SMITHBERG)  
Subject: [4504] QRPP "your patience requested"  
Message-ID: <013.01636252.SYDV00A@prodigy.com>

Aug 08,95 Sent \$10 check to NorCal..join.  
Aug 25,95 NorCal returned check...must be made out to Jim Cates  
Sept 2,95 Sent \$10 to Jim Cates...join/first copy of QRPP?  
Dec 08,95 Sent \$15 for back issues...inquired abt QRPP and NorCal number?  
Dec 13,95 Rcvd note..."Tnx for joining, Doug will send back issues after Holidays. Your patience is requested."  
Feb 20,96 Have not received any copies of QRPP nor membership number.

I know the guys are volunteers and appreciate their great work with club projects (have since built NC40A/KC1 from Wilderness)but when does anyone suggest I should I expect my first copy of QRPP?

Floyd NQ7X..... Phoenix

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: rheiss@tuba.aix.calpoly.edu  
Subject: [4517] QRS Newbies and French DX Prefixes  
Message-ID: <9602202305.AA191415@tuba.aix.calpoly.edu>

Oops! That wasn't an african FH that I worked, just nearby FS5PL zipping along faster than I can copy with confidence. Ironically, my original log shows FS5PL corrected to read FH5PL, because during the event I could

not find FS (alphabetized as FJ) on my DXCC list. (or T05A ;-)

Well, that's more than enough DXing, time to find the solder ...

73, Rob K06KA Atascadero, Calif.

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: birgym@inet.uni-c.dk  
Subject: [4493] RE.PCB program-http address  
Message-ID: <9602202140.AA0034@lgbppp15.uni-c.dk>

Greetings!

I have found an address for downloading both the DOS Easytrax as well as windows demo versions of PCB layout programs from Protel. The address is:

[http://Leonardo.caltech.edu/protel/ftp\\_demo.html](http://Leonardo.caltech.edu/protel/ftp_demo.html)

I was able to download the windows PCB layout program from this site while I was unable to download it from Protel.com's homepage.

Further questions e-mail me at ar722@cleveland.freenet.edu

D.K. Philbin  
OZ2DKP & KD6TK  
>From Lovely Snowy Denmark!

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: PGSPersEng@aol.com  
Subject: [4492] Results: QRP+ PS  
Message-ID: <960220031230\_148674235@emout08.mail.aol.com>

Hi Gang,

Not long ago, I asked what people are using as a small, portable power supply for the QRP+. Here's a rundown on the answers (most were sent direct e-mail rather than posted to the list):

Pyramid Phase III PS-7  
12 A-hr gell cel with 5W solar panel  
Ten-Tec switching PS for Scout (4 mentions)  
Radio Shack 12V lamp supply; also use 12V 3 A-hr battery  
Radio Shack Delux 12V PS  
Portable Power Supply Model SB152 (2 mentions)

12V deep-cycle battery in motor home

try a PS from a laptop computer

Thanks for all the suggestions!

Paul, AA1MI

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: gcouger@master.ceat.okstate.edu  
Subject: [4494] Spy Radio ID & docs  
Message-ID: <199602201442.JAA25141@nss2.CC.Lehigh.EDU>

I need help identifying a transceiver. It was built by Zero Manufacturing Co. With addresses in Burbank CA and Monson Mass. It is housed in a 10 by 4 by 6 inch water proof case that appears to be water proof. It was made in early 1965 with a serial number of 2x.

It covers 3 to 8 MHz and has 4 crystal channels with separate transmit and receive xtals. There no name or the name was on a missing labile in the top of the case. It is AM/CW and all solid state. With 500 cps and 6 kc filters.

The built in key that has to be the worst key I have ever felt. It is a lever that presses down on a regular switch. The antenna attaches to binding post and it has loading, bfo, gain, IND sense and battery test controls. There is a switch marked whisper out in near the mike jack. All the jacks are 1/8 inch phono-plugs. It also has a switch that is a 1/4 inch rod about 2 inches long between the mike plug and the built in key. The tuning indicator is a light bulb. The heat sinks look like they would handle 4 or 5 watts.

There is a hole in the upper right of the radio that is 4.75 by 1.75 inches and 3.75 inches deep. There is a 4 pin male plug in the bottom with wires going to all pins. This obviously a battery box. The case is painted army green. There is also an air relief plug that I would guess this is to admit air so it could be opened if it had a vacuum in it.

One PC board is marked AX-78830 rev A and another is x7295381 rev F. The boards are coated with some from of clear coating and the some of the wiring connections are covered with soft adhesive. It appears to be very similar to a 3M product that is used to glue aluminum skins to foam cores in Brantly helicopter blades.

I assume it is some sort of spy rig designed to survive direct burial.

I would appreciate any help on identifying it and finding documentation on

it. Particularly the pin out on the battery.

Thanks

Gordon AB5DG

Gordon Couger

Biosystems & Agricultural Engineering. 114 AG Hall Stillwater, OK 74075  
gcouger@master.ceat.okstate.edu 405 744 8392 day 625-2855 evenings

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996

From: Russ1031@aol.com

Subject: [4516] The Beaver Addendum

Message-ID: <960220162431\_149081846@emout07.mail.aol.com>

Many of you sent advice on how to cope with beavers, and I thank you. Several of you have asked about the environmentally correct stacked tribanders, and a summary follows hereinbelow.

The key to getting stacked tribanders in a tree was Alec Hansen. Alec lives upriver and is a semi-retired high climber.

High climbers make their living in a remarkable way--clambering up fir and pine trees (many of which are 200 feet tall) and cutting off the tops. From Alec's point of view, my trees (which are only 150 feet tall) were pipsqueaks.

First, Alec cut off the dead limbs of the Antenna Tree up to a height of 100 feet. Then, he mounted two metal brackets to the trunk, one at 50 ft and one at 80 ft. Next, he simply hauled C-3 tribanders up to the brackets and bolted them into place (one of the reasons I chose C-3s is that they're light). All along, I stayed on the ground, pulled on ropes, and issued expert commentary.

I aimed the antennas to the east, which, when you live in Oregon, is where most the people are. I decided not to rotate them, because the south and north are blocked by the steep walls of the McKenzie River canyon.

The reason why the Antenna Tree is environmentally correct is that it's surrounded by a community of similar trees. It started out looking like dense forest and it still does.

To the best of my knowledge, no visitor to my house has ever noticed the Antenna Tree. One day I took the UPS man (who has been here many times and has never noticed any of my QRP follies) on a little walk, to a place in the forest where you could look up directly at the elements of the stacked tribanders.



His eyes bugged out.

Russ Carpenter, AA7QU, McKenzie River, Oregon

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: DCrespy@aol.com  
Subject: [4522] TS-850 low power operation  
Message-ID: <960220195956\_227160498@mail04.mail.aol.com>

THANKS!

What a great response to my request for information...so far 12 replies.  
Thanks to everyone who answered!  
It looks like the easiest and cheapest solution to get below 5 watts is to adjust BOTH the power and carrier (ALC) controls... I had worried about dropping the ALC out of the "ALC range" on the meter, but someone pointed out that that is the same thing that the added external battery modification does.

Again, Thanks and 72 !

Harry KG5LO

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)  
Subject: [4510] TWIST ON ARRL DX CONTEST  
Message-ID: <9601208248.AA824850047@smtpgw.ccgate.dl.nec.com>

Folks:

Well, saw all the good successes many of you had on last weekend's ARRL DX contest. I, too, had some fun just relaxing and working them as I could - nothing serious.

I did do something that I've always promised myself I'd do, but never had the patience to do...

.... just hang back and LISTEN!!! How unique and novel an idea! I had more fun at that then the actual frenzy

of working 'em. Noticed that a lot of you worked some JA's on 40m. I actually HEARD my first JA's ever! That was thrilling for me.

(Yes, I couldn't resist trying to work some, but couldn't bust thru).

72/73 de Dave KK5HA  
QRP-L #25

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: bkmak@airmail.net (Bob Kmak)  
Subject: [4523] Re: Beavers and the Art of QRP  
Message-ID: <199602210224.UAA08400@server.iadfw.net>

Russ,

Not to be indelicate, but couldn't you, you know, take care of the peeing part yourself? Maybe not all in one day, but a little at a time...

73,

Bob  
KC5RAS

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: Bill Acito 20-Feb-1996 1051 <acito@asdg.ENET.dec.com>  
Subject: [4502] re: Butternut HF6V (old version?)  
Message-ID: <9602201600.AA29759@us1rmc.bb.dec.com>

Update:

|Does anyone have an old (+10yrs) HF6v that has no 40m cap, and the  
|40m and 80m coils are \_not\_ connected end to end (like mine)?

A couple of calls and some drawings faxed back and forth with Mike at

Butternut (Bencher), and it appears I've solved the mystery.

I have a HF5V-3, not a HF6V. This appears to be a Butternut antique. The design is as I've described and it was built correctly; the 40m cap is made from a tube within a tube with a insulator between the pipes. Why I have a HF6V manual is a mystery. :-)

If anyone has this antenna, and specifically the documentation, please send me mail. Mike is talking to Texas where the current antennas are built to try to get me more info and to see if any of the current mods will work with it. Kudos to Mike and Butternut for all the help.

b

. . . . . - I own my own words - . . . . .  
Bill Acito  
acito@asdg.enet.dec.com  
|d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA

KC1GS ... qrp-ne ... qrp-l ... qrp-arci ... norcal ... arrl life ...

From qrp-l@lehigh.edu Tue Feb 20 22:47:05 1996  
From: mizrahi@svlhp100.scs.philips.com  
Subject: [4520] RE: Easytrax PCB Layout Program  
Message-ID: <9602210024.AA21438@svln20.scs.philips.com>

Following my posting from yesterday I had at least one inquiry for more details of the professional "freeware" PCB program.  
At the advice of Bob N6WG, here are the details:

Protel Technology has offices in San Jose, CA.  
Phone: (408) 437-7771  
BBS: (408) 243-0125  
login as Guest and use the password Guest.  
WEB: <http://www.protel.com/>

The EASYTRAX program can be downloaded from the BBS or the web site.  
Read through the manual~1.txt file. My advice is to install the  
program with the VGA display driver. It's just fine for most work,  
since the program does support flexible zooming and panning.  
I print in postscript format for viewing the results. There is a  
Gerber file output for making "real" boards.  
The last advice for those that get to actual printing is to move  
the design close to coordinates (0,0) - unless you want tons of  
blank pages...

73 DE ORI AC6AN

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: Paul Harden <pharden@aoc.nrao.edu>  
Subject: [4507] Re: Monday Nite Fox Report  
Message-ID: <199602201739.KAA05316@zia.aoc.nrao.edu>

Craig,  
The New Mexico pipeline musta been shut down last nite; no sign of  
you here. But 7040 on this end was terrible last nite ... Mexican  
SSB, some 599+ QRO QSO using a bug with the worst fist I've heard  
in a long time, and an XE2 who kept calling CQ. Came back about  
45 minutes later, and the band was almost dead ... just as you  
reported on your end.

Considering conditions, you pulled some good ones out of the mud.

72, Paul NA5N

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: 9263.74th.St.Edmonton.Alta.Can.T6B.2B5@freenet.edmonton.ab.ca  
Subject: NORCAL 40

Is it possible to get the details of L7 and L8 in Norcal 40 transciever.  
(ie) core size and type and turns of wire and size of wire etx  
73 VE6JWA

----- end forwarded message -----

Thanks,

--Brian, KV9X

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i	NorthWest QRP Club	-----
==[scn]==-		--0---/\--
) (	nwqrp@scn.org	/^\^\/ ^^\ 
/_ \_\ 	<a href="http://www.scn.org/IP/nwqrp/nwqrp.html">http://www.scn.org/IP/nwqrp/nwqrp.html</a>	--NW QRP--

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: dgf@netcom.com (David Feldman)  
Subject: [4498] Re: QRP in Japan  
Message-ID: <199602201532.HAA25845@netcom4.netcom.com>

N5EM@aol.com writes

>Once upon a time, they would actually import the -V models (ala, TS-130V)  
>into the US. I have one of the above referenced radios. It's the 10 watt  
>model. In Japan, they have (or at least, used to have) an HF license,  
>beginners type, with a limit of 10 watts. Guess they felt that at 10 watts,  
>the newbies couldn't get out very far to cause international grief :-)

Last summer I began corresponding on the internet with a JA ham (about something else, but the conversation eventually turned to QRP). He indicated that QRP is not a very significant activity in JA. I asked him about the 10W class HF rigs that seem so common (if you "read" (= look at the pictures) a recent copy of CQ HAM RADIO then you see lots of ads for HF rigs that offer a 10W model). He said that they aren't actually all that popular. I had remembered working an ARRL DX contest back in 1972 and being amazed at the number of JAs reporting 10W power levels (I believe the contest exchange included the transmit power level for DX stations) and assumed that lots of JAs had these radios. Anyway, it seems not to be the case according to my JA friend now. I asked him whether there were very many special-purpose QRP-only rigs available there (such as like the Argonaut or QRP PLUS) and he replied not. Those little handheld MIZUHO radios (single band VXO controlled) seem to be the only QRP-specific radio commonly being offered nowadays, and even they aren't all that common (I've collected a nearly complete set of these beasts and have decided that they are every bit as impractical as you might expect!)

Eventually, he referred me to another JA ham who is on a teaching program in Ann Arbor, MI, and the second JA and I e-mailed more about QRP and he confirmed the same thing. He decided to go shopping for a QRP rig while he is here in the US and ended up ordering a QRP PLUS. I don't know what happened after that - he said he was very busy and didn't have time to play with it.

73 Dave WB0GAZ dgf@netcom.com

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996

From: CQC@aol.com  
Subject: [4515] RE: QRP to the Field Times?  
Message-ID: <960220151532\_427245543@emout09.mail.aol.com>

Please respond direct to CQC@aol.com

Tnx.  
Rich WOHEP

From qrp-l@lehigh.edu Tue Feb 20 22:47:05 1996  
From: Robert Williams <rwill@seminole.saccw.cc.ar.us>  
Subject: [4491] Re: QRP-L digest 272  
Message-ID: <Pine.LNX.3.91.960220013543.1189B-1000000@seminole.saccw.cc.ar.us>

I accidentally deleted the recent posting of commonly used parts in QRP projects..... sure could use that info... could the person please repost the list?

Robert S. Williams KD4ZPH

From qrp-l@lehigh.edu Tue Feb 20 22:47:05 1996  
From: Pat Taber <ptaber@logicraft.com>  
Subject: [4505] Re: QRPP "your patience requested"  
Message-ID: <199602201733.MAA90558@nss2.CC.Lehigh.EDU>

At 11:53 02/20/96 EST, you wrote:

>Aug 08,95 Sent \$10 check to NorCal..join.  
>Aug 25,95 NorCal returned check...must be made out to Jim Cates  
>Sept 2,95 Sent \$10 to Jim Cates...join/first copy of QRPP?  
>Dec 08,95 Sent \$15 for back issues..inquired abt QRPP and NorCal number?  
>Dec 13,95 Rcvd note..."Tnx for joining, Doug will send back issues after  
> Holidays. Your patience is requested."  
>Feb 20,96 Have not received any copies of QRPP nor membership number.

Hold tight -- your membership number will be printed on the renewal notice you get next August... ;-)

>>>==>PStJTT

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Patrick Taber	Email: ptaber@logiccraft.com
Principal Software Engineer	Phone: (603) 880-0300
Logiccraft Information Services	Fax: (603) 880-7229
22 Cotton Road	
Nashua N.H. 03063	Also known as: KC1TD

From qrp-1@lehigh.edu Tue Feb 20 22:47:05 1996  
From: "Norman E. Fink" <norm@uu1238.flowerslabs.com>  
Subject: [4508] Re: TenTec MightyMite  
Message-ID: <9602201713.AA10251@flowerslabs.com>

QRP-Listers,

My thanks to those who responded to my query about the TenTec MightyMite(aka PowerMite) I passed up at the Orlando hamfest on Saturday. Here's what I found out.

- 1) There are differing opinions on what the radio is worth. One person said one of these rigs in good condition could sell for upwards of \$100. Another said the radio was of little value, and he had gotten several of them for free. The average price one would expect to pay for one of these little gems is \$25 to \$50.
- 2) The rig is not considered to be a good performer. It consists of a direct conversion receiver and will provide up to about five watts of output.
- 3) This model radio was manufactured during the late 60's and early 70's, and is considered to possibly be the first major production QRP rig. They were manufactured right here in the USA.
- 4) The general consensus was that the unit's true ownership desirability was as a collector's item and for its historical value. One person said, "...we're talking QRP history here. Plenty on the List will groan over missing that one."

My conclusion is that I should have bought it and auctioned it off to you guys (NOT)!

K-2-Norm-Fink